

IN THE SPECIFICATION:

Please amend page 1 of the Specification by replacing Paragraph [0002] with the following Paragraph [0002]:

[0002] ~~The United States Government has rights in the following invention pursuant to Contract No. DE-AC07-99ID13727 between the U.S. Department of Energy and Bechtel BWXT Idaho, LLC.~~ The United States Government has certain rights in this invention pursuant to Contract No. DE-AC07-99ID13727, and Contract No. DE-AC07-05ID14517 between the United States Department of Energy and Battelle Energy Alliance, LLC.

Please amend page 6 of the Specification by inserting the following Paragraph [0024] and renumbering the subsequent paragraphs of the Specification as a result of inserting the following:

[0024] FIG 6. is a cross-sectional view of a representative structure having conductors disposed therein in accordance with an embodiment of the present invention.